Appl'n. No.: 10/589,029 Filed: June 21, 2007

Page 2

Amendments to the Claims:

Please cancel Claims 9, 19-22, 25, 28, 30, 55, 63, 64, 71, 76, 79, 80 and 93 without prejudice or disclaimer, and add new Claims 94-110 as set forth below.

1 (original): An inhibitor of a protein kinase $C\alpha$ (PKC α), the inhibitor comprising A-Ala-Arg-Arg-X-B-Hyd-C-D-, where A =AcHN-,

X=any amino acid or amino acid mimetic; B=Ala or a diaminopropionic acid (Dap) derivative having the formula

Hyd=Phe, Leu or Ile; C=Arg or Lys; and D=Ala or a Dap derivative having the formula

wherein any of the amino acids can alternatively be an analogous amino acid mimetic.

2-6 (canceled)

7 (original): The inhibitor of claim 1, wherein the PKC α is a human PKC α .

8 (previously presented): The inhibitor of claim 1, comprising

Appl'n. No.: 10/589,029 Filed: June 21, 2007

Page 3

AcHN-AlaArg ArgGlyDapLeuArgGlnAla-HN(CH₂)₂SH

AcHN-AlaArg ArgGlyAla Leu ArgĎapAla-HN(CH₂)₂SH

Appl'n. No.: 10/589,029 Filed: June 21, 2007

Page 4

9-93 (canceled)

94 (new): The inhibitor of claim 1, having an IC_{50} <50 μ M for the PKC α .

95 (new): The inhibitor of claim 1, having an IC_{50} <10 μ M for the PKC α .

96 (new). The inhibitor of claim 1, having an IC_{50} <1 μ M for the PKC α .

97 (new): The inhibitor of claim 1, wherein the inhibitor has an IC_{50} for the PKC α <0.1 that of any other PKC isoform.

98 (new): The inhibitor of claim 1, wherein the inhibitor has an IC_{50} for the PKC α <0.01 that of any other PKC isoform.

99 (new): The inhibitor of claim 1, comprising

100 (new): The inhibitor of claim 1, consisting of

101(new): The inhibitor of claim 1, comprising

Appl'n. No.: 10/589,029 Filed: June 21, 2007

Page 5

102 (new): The inhibitor of claim 1, consisting of

103 (new): The inhibitor of claim 1, comprising

104 (new): The inhibitor of claim 1, consisting of

105 (new): The inhibitor of claim 1, comprising

Appl'n. No.: 10/589,029 Filed: June 21, 2007

Page 6

106 (new): The inhibitor of claim 1, consisting of

107 (new): The inhibitor of claim 1, comprising

108 (new): The inhibitor of claim 1, consisting of

109 (new): The inhibitor of claim 1, comprising

Appl'n. No.: 10/589,029 Filed: June 21, 2007

Page 7

110 (new): The inhibitor of claim 1, consisting of